

HHS/IDS  
4-8-02

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

MACHIDA

Serial No. 09/957,461

Filed: September 21, 2001

For: MAGNETIC RESONANCE IMAGING FOR A PLURALITY OF  
SELECTIVE REGIONS SET TO OBJECT CONTINUOUSLY  
MOVED



Atty. Ref.: 2382-21

Group:

Examiner:

\* \* \* \* \*

April 5, 2002

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**INFORMATION DISCLOSURE STATEMENT**

As suggested by 37 C.F.R. 1.97, the undersigned attorney brings to the attention of the Patent and Trademark Office the references listed on the attached form PTO-1449, a copy of each of which is enclosed. This is not to be construed as a representation that a search has been made or that no better prior art exists, or that a reference is relevant merely because cited.

The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

Respectfully submitted,

NIXON & VANDERHUYE P.C.

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**INFORMATION DISCLOSURE  
CITATION**

ATTY. DOCKET NO.

SERIAL NO.

2382-21

09/957,461

APPLICANT

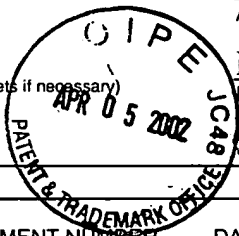
MACHIDA

FILING DATE

GROUP

September 21, 2001

(Use several sheets if necessary)



**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5111144	5/92	Kuhn			
	5498961	3/96	Kuhn et al			
	5636636	6/97	Kuhn et al			
	5969525	10/99	Van Driel et al			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

	Herlihy et al, "Continuous Scanning Using Single Shot Fast Spin Echo on a Short Bore Neonatal Scanner", PROC. ISMRM '98, p. 1942
	Machida et al, "Velocity Independent Phase-Shift Stabilization (VIPS) Technique in FSE Flow Imaging", PROC. INTL. SOC. MAGN. RESON. MED. 7 (1999), p. 1910
	Japanese Patent Publication Laid-opn (Unexamined) No. 8-71056 published on March 19, 1996, filed on Sept. 5, 1994, applicant: Kabushiki Kaisha Toshiba, and inventor: H. Kanazawa - partial translation

*Examiner	Date Considered
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

# BACKGROUND ART INFORMATION

TOSHIBA

The following information has been determined, to the best of TOSHIBA's ability, as possibly relevant to the describing and claiming of the invention of the subject case in a U.S. patent application. Based on this information and pursuant to 37 CFR 1.56(b), please prepare and file the proper Information Disclosure Statement or equivalent document.

INVENTOR'S INFORMATION

☆	PATENT NUMBER PUBLICATION	;	INVENTOR(S) AUTHOR(S)	;	DATE	etc.												
<p>A. H. Herlihy, et.al. "Continuous Scanning using Single Shot Fast Spin Echo on a short Bore Neonatal Scanner, Proc. ISMRM'98, P.1942</p>																		
☆	<p>CONCISE EXPLANATION</p>																	
☆	<p>Japanese Patent (Kokai) <del>6-211131</del> 8-71056</p>																	
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30%;">PRIOR APPLICATION(S) OF INVENTOR(S) OR OF KABUSHIKI KAISHA TOSHIBA (ASSIGNEE)</th> <th style="width: 20%;">APPLICATION NUMBER</th> <th style="width: 20%;">TOSHIBA REFERENCE</th> <th style="width: 10%;">COUNTRY</th> <th style="width: 10%;">AGENT</th> <th style="width: 10%;">MEMO</th> </tr> <tr> <td colspan="6" style="height: 100px;"> </td> </tr> </table>							PRIOR APPLICATION(S) OF INVENTOR(S) OR OF KABUSHIKI KAISHA TOSHIBA (ASSIGNEE)	APPLICATION NUMBER	TOSHIBA REFERENCE	COUNTRY	AGENT	MEMO						
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">INVENTOR(S) SIGNATURE &amp; DATE</td> <td style="width: 80%;"> </td> </tr> <tr> <td> <div style="border: 1px solid black; width: 100px; height: 60px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> </td> <td> <p style="font-size: 1.2em; margin: 0;">A. Yoshio Machida</p> <p style="margin: 0;">Jul. 27, 2001</p> </td> </tr> </table>							INVENTOR(S) SIGNATURE & DATE		<div style="border: 1px solid black; width: 100px; height: 60px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div>	<p style="font-size: 1.2em; margin: 0;">A. Yoshio Machida</p> <p style="margin: 0;">Jul. 27, 2001</p>								
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PATENT ENGINEER'S INFORMATION

PATENT ENGINEER'S COMMENT ON INVENTOR(S) INFORMATION OR PATENT ENGINEER'S INFORMATION			
<p>☆ US Pat 5,111,144, 5,498,961, 5,636,636, 5,969,525</p> <p>☆ Each discloses an MR imaging method in which a patient is displaced during an examination.</p>			
CHECKED BY <div style="border: 1px solid black; width: 100px; height: 30px; margin-top: 5px;"></div>	PATENT ENGINEER(S) SIGNATURE & DATE	<p style="font-size: 1.2em; margin: 0;">S. Taku</p> <p style="margin: 0;">8/7/01</p>	
(to U.S. Attorney)	TOSHIBA REFERENCE <p style="font-size: 1.5em; margin: 0;">98 G 32776</p>	JAPANESE AGENT REFERENCE	Sheet of